

What is claimed is:

1. An interactive remote control unit for controlling a device to be controlled through bi-directional wireless communications, the unit comprising:
 - a) a receiver for receiving a signal via the device to be controlled;
 - 5 b) a display for displaying information contents of the signal received at the receiver;
 - c) an entry section for accepting input data with respect to the information shown on the display;
 - d) a transmitter for transmitting operation data for the device
10 according to the input data; and
 - e) a controller for governing the receiver, the display, and the transmitter.
2. The interactive remote control unit as defined in claim 1, wherein in
15 response to a request through the entry section, for selecting specific content among the information contents shown in the display, the display shows details of the content specified.
3. The interactive remote control unit as defined in claim 2, wherein the
20 content shown in the display includes at least any one of a text data, a still image, and a motion picture.
4. The interactive remote control unit as defined in claim 1, wherein the
25 device to be controlled is a digital-broadcasting receiver, and the signal contains program arrangement information required for creating an electronic program guide (EPG).

5 5. The interactive remote control unit as defined in claim 4, wherein in response to a request through the entry section, for selecting specific content – which includes any one of i) a broadcasting program and ii) information distributed by a video-on-demand service – among the EPG shown in the display, the display shows a motion picture of the content specified.

10 6. The interactive remote control unit as defined in claim 1, wherein the device to be controlled is a digital-broadcasting receiver, and the signal contains a still image data for an EPG.

15 7. The interactive remote control unit as defined in claim 6, wherein in response to a request through the entry section, for selecting a broadcasting program from the EPG, the display shows a motion picture of the broadcasting program.

20 8. The interactive remote control unit as defined in claim 1, wherein the device to be controlled is a digital-broadcasting receiver, and the signal contains information on data-broadcasting program guide.

25 9. The interactive remote control unit as defined in claim 8, wherein in response to a request through the entry section, for selecting a data-broadcasting program from the data-broadcasting program guide, the display shows a motion picture of the data-broadcasting program.

30 10. The interactive remote control unit as defined in claim 1, wherein the device to be controlled is a recording/reproducing device, and the signal contains table-of-contents information on motion pictures recorded in a recording

medium employed for the recording/reproducing device.

11. The interactive remote control unit as defined in claim 10, wherein in response to a request through the entry section, for selecting an item from the
5 table-of-contents information, the display shows a motion picture corresponding to the item selected.

12. The interactive remote control unit as defined in claim 10, wherein the recording/reproducing device is any one of i) a video cassette recorder; ii) a
10 hard disk video recorder; and iii) an optical disk video recorder.

13. The interactive remote control unit as defined in claim 1, wherein the transmitter and the receiver communicate with the device to be controlled under communication standards of any one of Bluetooth, 802.11b, 802.11a, 802.11g,
15 and ZigBee.

14. The interactive remote control unit as defined in claim 1, wherein the device to be controlled is a camera, and the signal contains at least any one of i) information on operating condition of the camera; and ii) a video signal captured
20 by the camera.

15. The interactive remote control unit as defined in claim 14, wherein in response to a request according to the operating condition and the video signal through the entry section, the remote control unit controls the camera for at
25 least any one of i) determining an angle; ii) zooming; and iii) focusing.

16. The interactive remote control unit as defined in claim 1, wherein the

display further shows ads information, with the information contents and the selected content being displayed.

17. The interactive remote control unit as defined in claim 16, wherein
5 the ads information is formed at least any one of i) text information; ii) a still image; and iii) a motion picture.

18. The interactive remote control unit as defined in claim 16, wherein
the ads information are displayed any one of on a periodical and a continuous
10 basis.

19. The interactive remote control unit as defined in claim 16, wherein in
response to a request entered through the entry section, the display stops
showing the ads information.
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20. The interactive remote control unit as defined in claim 1, wherein the
information contents contain at least any one of no-charge service information
and charged service information.

20 21. The interactive remote control unit as defined in claim 1, wherein the
display shows contents data of the information by an operator's action of any one
of i) touching the unit; and ii) operating the unit.

22. The interactive remote control unit as defined in claim 21, wherein
25 the information is provided as a video-on-demand service, the display shows at
least any one of i) text information, ii) a still image, and iii) a motion picture in
order to introduce the contents data.

23. The interactive remote control unit as defined in claim 1, wherein the unit outputs sound so as to correspond to the information contents shown in the display.

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24. The interactive remote control unit as defined in claim 23, wherein the unit controls volume of the sound in response to a request entered through the entry section.

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25. The interactive remote control unit as defined in claim 21 further includes a timer for obtaining at least any one of i) time elapsed since the display has shown the contents data; and ii) time elapsed since a previous operation on the remote control unit, wherein the controller requests the display, at a conclusion of a predetermined period of time, so as to perform any one of
15 following operations: i) having blanked display; and ii) switching the contents data to different contents data.

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26. The interactive remote control unit as defined in claim 1, wherein the entry section includes a touch panel formed on the display section.

27. The interactive remote control unit as defined in claim 21, the display shows details of the contents data in response to a request entered through the entry section.

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28. The interactive remote control unit as defined in claim 21, wherein the unit changes information shown in the display without regard to a request entered through the entry section.

29. The interactive remote control unit as defined in claim 1, wherein the display contains a plurality of sub-windows, each of which bears different information.